# Q-318R1

# SVE BULLETIN

***SPECIAL VEHICLE ENGINEERING – BODY BUILDERS ADVISORY SERVICE***

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QVM BULLETIN: Q-318R1 DATE: 16 December, 2020

## 2020 TRANSIT VEHICLES BEING UPFITTED – EQUIPPED WITH LANE KEEPING SYSTEM

| REVISION | UPDATE | REVISION DATE |
|---|---|---|
| Q-318R1 | Updated to show in plant revision date | 16 December 2020 |
| Q-318 | INITIAL RELEASE | 12 August, 2020 |

**MODEL(S) AFFECTED:**
2020 Transit Chassis Cab and Cutaway Vehicles - Equipped With Lane Keeping System.

**Note: Vehicles built on or after November 2, 2020 - will have this calibration performed at the plant. Upfitters will no longer need to perform the calibration on these vehicles**

**ISSUE / DESCRIPTION:**
The intermediate/final stage manufacturer is responsible for verifying that the lane keeping system camera sensor is properly calibrated within Ford specifications once vehicles are completed. Calibrating the lane keeping system utilizes the Ford FDRS service tool to calibrate the front view camera. The intermediate/final stage manufacturer must refer to Workshop Manual (WSM) Section 419-07. This is not a warrantable item.

***Workshop Manual (WSM) Section 419-07***

*Lane Keeping System - Overview*

*The Lane Keeping System (LKS) has two functions to help the driver stay within their lane (lane keeping aid) and to provide lane keeping alert. The Lane Keeping System (LKS) utilizes the camera located in the IPMA to detect and track the road lane markings. The lane keeping system is turned on and off using the lane keeping system switch on the LH steering column multifunction switch. The last known on/off setting for the lane keeping system is recalled every time the ignition is turned on. The system can be turned off at any time by pressing the lane keeping system switch. When the system is on, it is active only when the vehicle speed is above 65 km/h (40 mph) and at least one lane marking can be detected by the camera. The IPC message center provides a display that shows the status of the Lane Keeping System (LKS) in operation to the driver and provide a menu to customize the Lane Keeping System (LKS) setting.*

*The lane keeping alert detects unintentional drifting toward the outside of the lane and alerts the driver through steering wheel vibrations and a visual alert in the IPC message center.*

*The lane keeping aid assists the driver temporary by automatically providing steering torque towards the lane centre to help the driver keep the vehicle in the lane. When the system detects that the driver has not the hands on the steering wheel during a lane keeping aid intervention, the system shows an information message in the IPC.*

*Camera alignment is required for the lane keeping alert and lane keeping aid to function correctly.*

An intermediate/final stage manufacturer with a valid FIN code, should visit https://www.fordtechservice.dealerconnection.com/VDIRS/helm/helm.asp to find information on service training and service publications subscriptions. (For those without a FIN code, visit www.motorcraftservice.com.)

Refer to the Body Builder Layout Book for additional guidelines and recommendations. If you have any questions, please contact the Ford Body Builders Advisory Service as shown in the header of this bulletin.